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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **XU, Luzhou** [CN/CN]; Philips Electronics China, 21/F Kerry Office Building 218 Tian Mu Xi Road, 200070 Shanghai (CN).

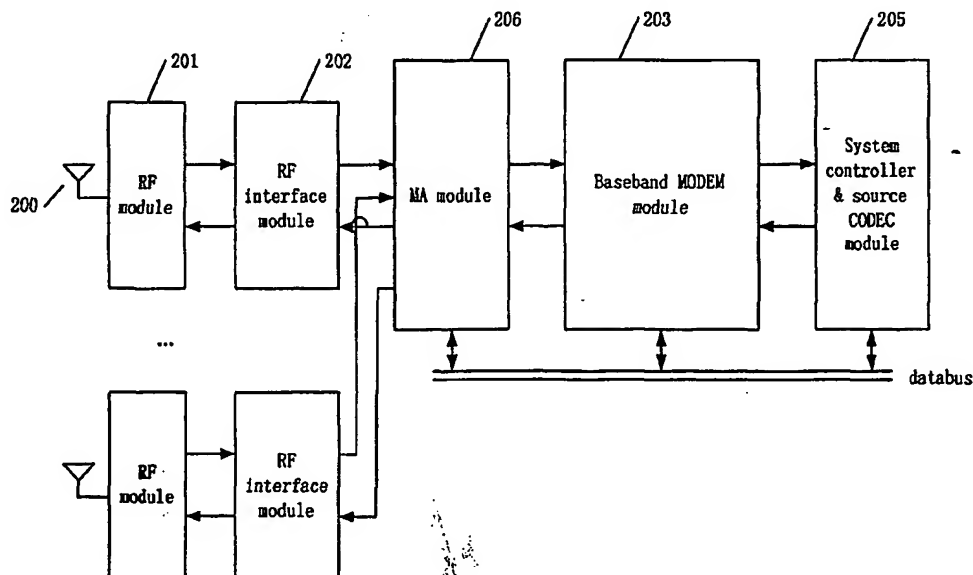
DAI, Yanzhong [CN/CN]; Philips Electronics China, 21/F Kerry Office Building 218 Tian Mu Xi Road, 200070 Shanghai (CN). **LIU, Jian** [CN/CN]; Philips Electronics China, 21/F Kerry Office Building 218 Tian Mu Xi Road, 200070 Shanghai (CN). **WU, Ronghui** [CN/CN]; Philips Electronics China, 21/F Kerry Office Building 218 Tian Mu Xi Road, 200070 Shanghai (CN). **YUAN, Yun** [CN/CN]; Philips Electronics China, 21/F Kerry Office Building 218 Tian Mu Xi Road, 200070 Shanghai (CN). **LI, Yan** [CN/CN]; Philips Electronics China, 21/F Kerry Office Building 218 Tian Mu Xi Road, 200070 Shanghai (CN). **SHI, Min** [CN/CN]; Philips Electronics China, 21/F Kerry Office Building 218 Tian Mu Xi Road, 200070 Shanghai (CN).

(74) Common Representative: **KONINKLIJKE PHILIPS ELECTRONICS N.V.**; c/o van der Veer, Johannes, L., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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(54) Title: A MULTI-ANTENNA SOLUTION FOR MOBILE HANDSET



(57) **Abstract:** A mobile terminal with multi-antenna (200) based on CDMA, comprises a plurality of groups of radio frequency signal processing modules (202), for transforming received multi-channel radio frequency signals based on CDMA to multi-channel baseband signals; a multi-antenna module (206), for combining said multi-channel baseband signals output from the plurality of groups of radio frequency signal processing modules into single-channel baseband signals according to control information received one-off when said multi-antenna module enables a multi-antenna baseband processing; and a baseband processing module (203), for providing said control information to said multi-antenna module and baseband processing said single-channel baseband signals outputted from said multi-antenna module.